May 2005

NAD

SERVICE MANUAL

C 372

STEREO
AMPLIFIER

C 372

STEREO
AMPLIFIER

ALIGNMENT PROCEDURE (C372)

I. INITIAL ADJUSTMENT (No load connected)

A. OUTPUT OFFSET VOLTAGE

1. Connect a DC Millivoltmeter between TP303 and TP304, then adjust VR303 (50kohms) to get a reading of 0V +/-3V so at the speaker terminals of 0V+/-30mV.
2. Connect a DC Millivoltmeter between TP403 and TP404, then adjust VR401 (50kohms) to get a reading of 0V +/-3V so at the speaker terminals of 0V+/-30mV.

B. IDLING CURRENT

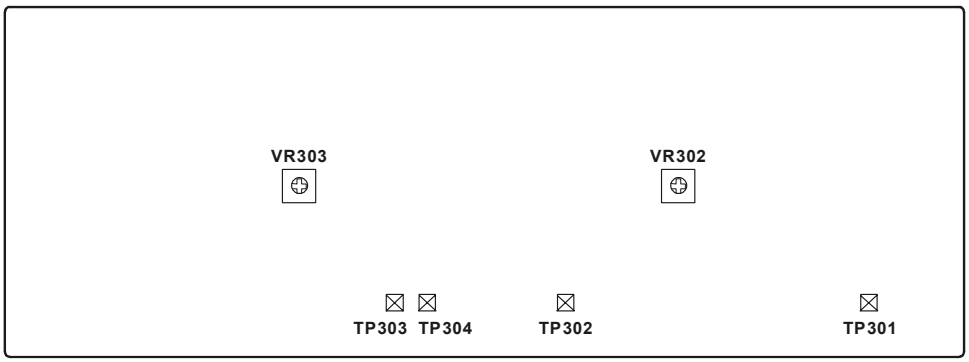
1. Connect a DC Millivoltmeter to TP301 and TP302, then adjust VR302 (500ohms) for 5-6mV reading on meter.
2. Connect a DC Millivoltmeter to TP401 and TP402, then adjust VR402 (500ohms) for 5-6mV reading on meter.
3. Leave power “ON” for a minimum of 5 minutes.

C. ISC SENSITIVITY

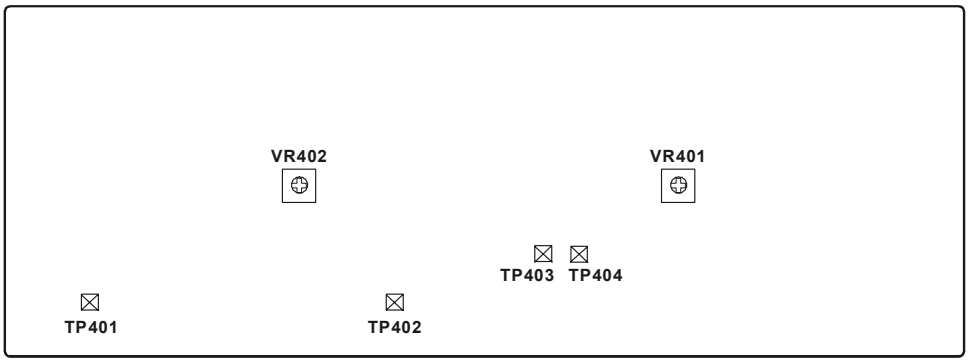
Connect a DC Millivoltmeter to TP701 and TP702, then adjust VR701 (47kohms) between –50mV to -100mV.

II. FINAL ADJUSTMENT

Repeat procedure A and B for offset voltage and idling current alignment respectively.

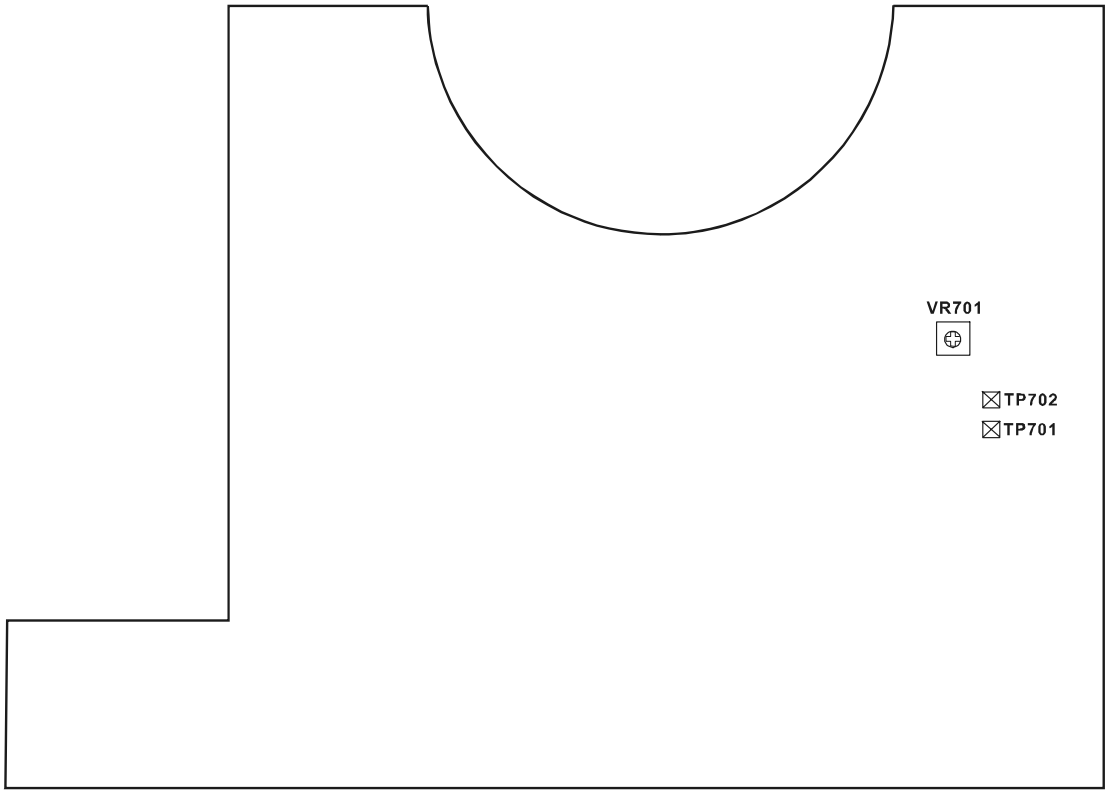


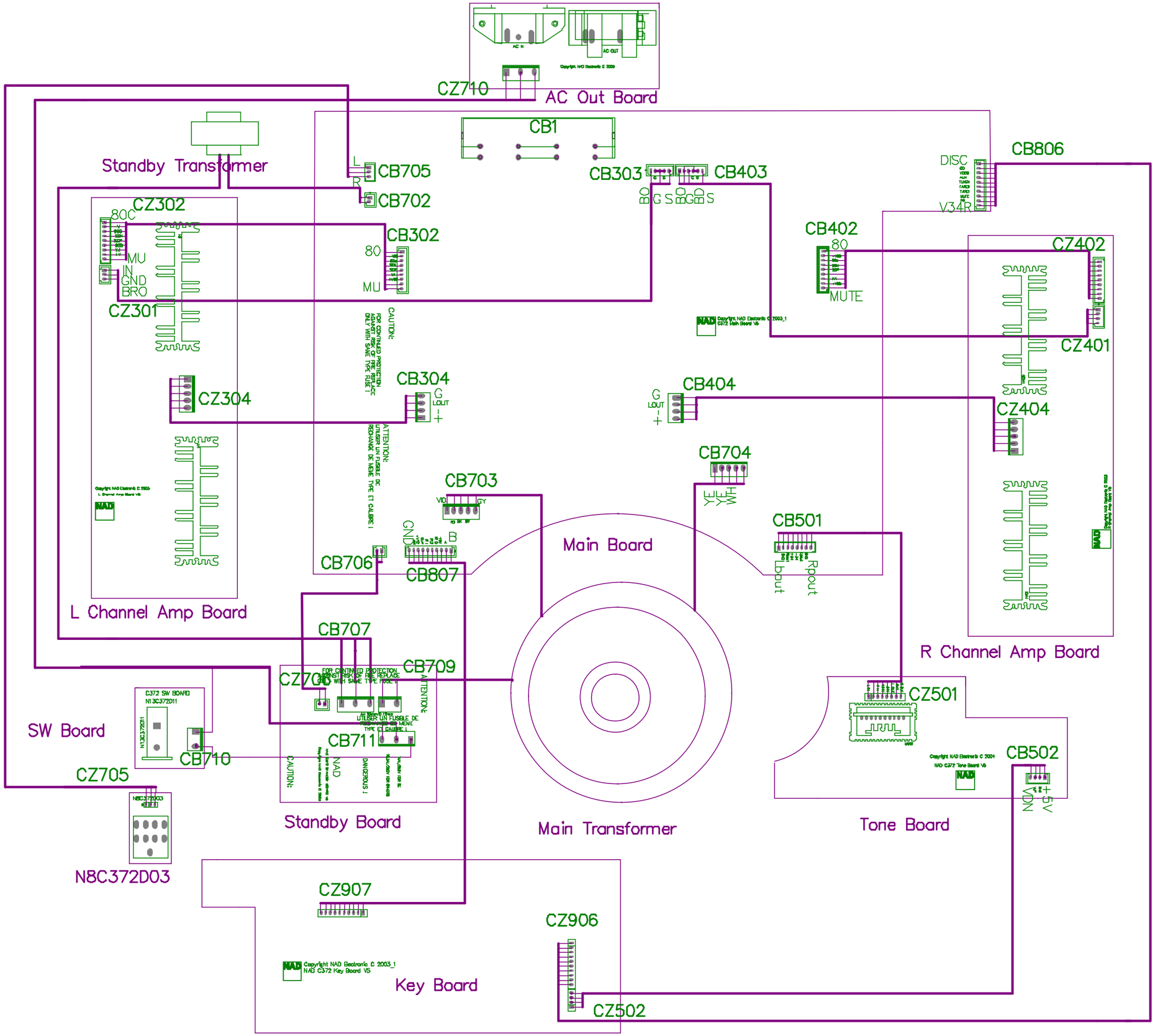
LEFT CHANNEL

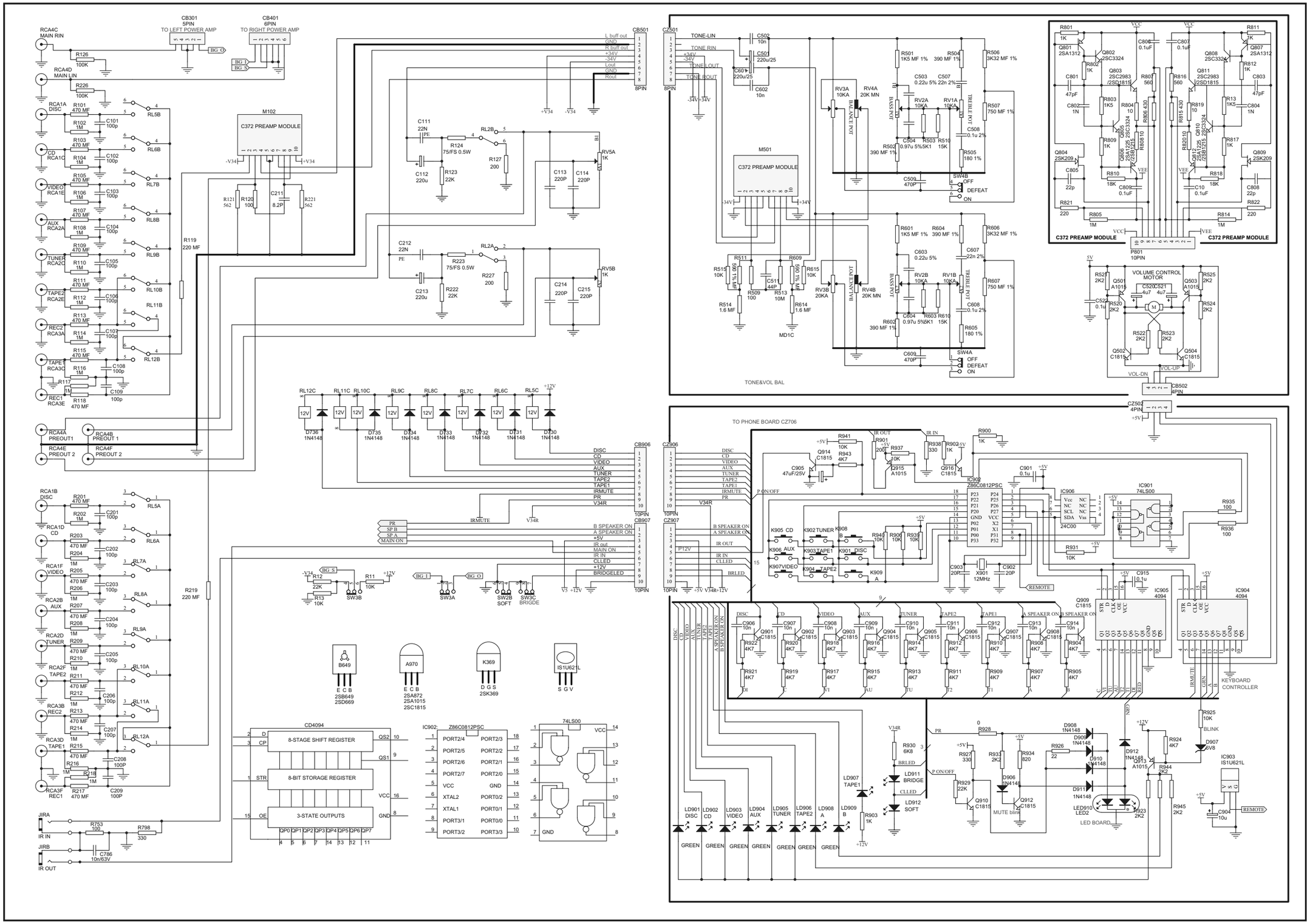


RIGHT CHANNEL

MAIN BOARD




CZ710
AC Out Board
Standby Transformer
CB1
CB705
CB702
CB303
CB403
CB806
DISC
CZ302
CB302
CZ301
CB402
MUTE
CZ402
CZ401
CZ304
CB304
CB404
CZ404
CB704
CB703
CB501
Main Board
CB706
CB807
L Channel Amp Board
R Channel Amp Board
CB707
CB709
CZ708
SW Board
CB711
CB710
CZ705
CZ501
CB502
Standby Board
Main Transformer
Tone Board
N8C372D03
CZ907
CZ906
CZ502
Key Board


RCA4C MAIN RIN
RCA4D MAIN LIN
CB301 5PIN TO LEFT POWER AMP
CB401 6PIN TO RIGHT POWER AMP
CB501 8PIN
L buff out
GND
R buff out
+34V
-34V
Lout
GND
Rout
M102
C372 PREAMP MODULE
M501
C372 PREAMP MODULE
RCA1A DISC
RCA1C CD
RCA1E VIDEO
RCA2A AUX
TUNER RCA2C
TAPE2 RCA2E
REC2 RCA3A
TAPE1 RCA3C
REC1 RCA3E
RL5B
RL6B
RL7B
RL8B
RL9B
RL10B
RL11B
RL12B
R119 220 MF
RCA4A PREOUT1
RCA4B PREOUT 1
RCA4E PREOUT 2
RCA4F PREOUT 2
RCA1B DISC
RCA1D CD
RCA1F VIDEO
RCA2B AUX
RCA2D TUNER
RCA2F TAPE2
RCA3B REC2
RCA3D TAPE1
RCA3F REC1
RL5A
RL6A
RL7A
RL8A
RL9A
RL10A
RL11A
RL12A
R219 220 MF
JIRA
IR IN
JIRB
IR OUT
C2501 8PIN
TONE-LIN
TONE RIN
TONE LOUT
TONE ROUT
RV3A 10KA
RV4A 20K MN
BALANCE POT
BASS POT
TREBLE POT
RV2A 10KA
RV1A 10KA
SW4B
SW4A
OFF
DEFEAT
ON
TONE&VOL BAL
R801 1K
R811 1K
Q801 2SA1312
Q807 2SA1312
Q802 2SC3324
Q808 2SC3324
Q803 2SC2983 2SD1815
Q811 2SC2983 2SD1815
Q804 2SK209
Q809 2SK209
Q806 2SA1225 2SB1215
Q810 2SC3324
Q805 2SC3324
Q807 2SA1225 2SB1215
C372 PREAMP MODULE
C372 PREAMP MODULE
P801 10PIN
VOLUME CONTROL MOTOR
Q501 A1015
Q503 A1015
Q502 C1815
Q504 C1815
VOL-UP
VOL-DN
CB502 4PIN
CZ502 4PIN
TO PHONE BOARD CZ706
CZ906 10PIN
CB906 10PIN
CZ907 10PIN
CB907 10PIN
DISC
CD
VIDEO
AUX
TUNER
TAPE2
TAPE1
IRMUTE
PR
V34R
P ON/OFF
IR out
IR IN
CLLED
BRLED
+12V
+5V
V5
B SPEAKER ON
A SPEAKER ON
MAIN ON
SP B
SP A
R941 10K
R943 4K7
Q914 C1815
C905 47uF/25V
R937 10K
Q915 A1015
R938 330
Q916 C1815
R903 1K
R900 1K
IC902 Z86C0812PSC
C901 0.1u
IC906 24C00
IC901 74LS00
R935 100
R936 100
R931 10K
K905 CD
K902 TUNER
K908
K906 AUX
K903 TAPE1
K901 DISC
K907 VIDEO
K904 TAPE2
K909 A
R940 10K
R906 10K
R939 10K
C903 20P
X901 12MHz
C902 20P
REMOTE
IC905 4094
IC904 4094
Q909 C1815
KEYBOARD CONTROLLER
LD901 DISC
LD902 CD
LD903 VIDEO
LD904 AUX
LD905 TUNER
LD906 TAPE2
LD908 A
LD909 B
LD907 TAPE1
LD911 BRIDGE
LD912 SOFT
GREEN
R930 6K8
R928 0
R927 330
R933 2K2
R934 820
R929 22K
Q910 C1815
MUTE blink
D906 1N4148
Q912 C1815
D908 1N4148
D909 1N4148
D910 1N4148
D911 1N4148
D912 1N4148
R926 22
Q913 C1815
LED910 LED2
LED BOARD
R923 2K2
R944 2K2
R945 2K2
R924 4K7
R925 10K
BLINK
D907 DV8
IC903 IS1U621L
C904 10u
D738 1N4148
D735 1N4148
D734 1N4148
D733 1N4148
D732 1N4148
D731 1N4148
D730 1N4148
R753 100
R798 330
C786 10n/63V
R12 22K
R13 10K
R11 10K
SW3B
SW3A
SW2B SOFT
SW3C BRIGDE
B649 E C B 2SB649 2SD669
A970 E C B 2SA872 2SA1015 2SC1815
K369 D G S 2SK369
IS1U621L S G V
CD4094
8-STAGE SHIFT REGISTER
8-BIT STORAGE REGISTER
3-STATE OUTPUTS
74LS00

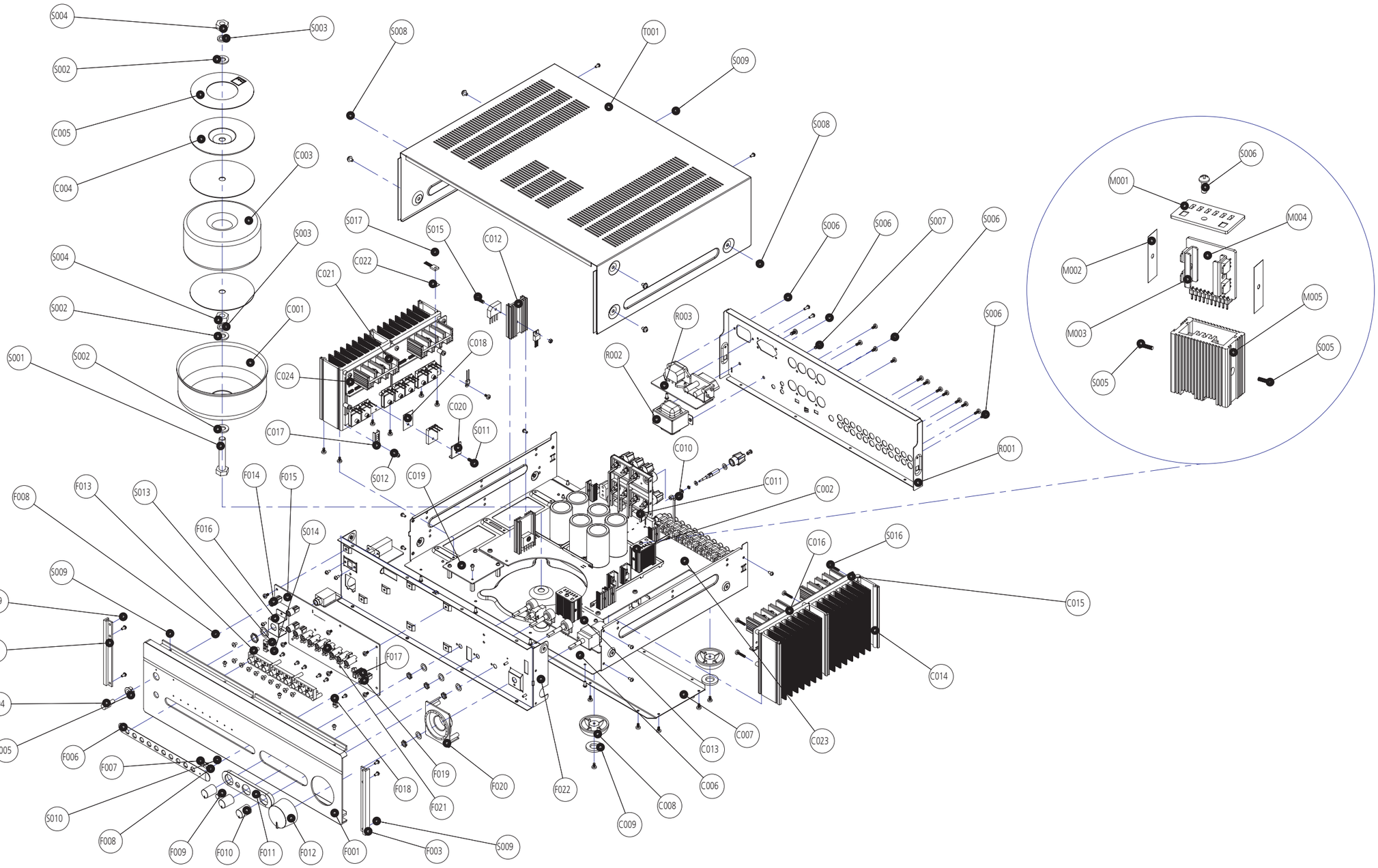
NOTE:
Q310 Q311 Q313 Q314 Q317 Q318 Q337 Q338
Q410 Q411 Q413 Q414 Q417 Q418 Q437
Q438 ARE DIFFERENT FOR EACH VERSION OF
C372, PLEASE WATCH THEVERSION NUMBER
ON THE AMP PCB TO MAKE SURE THAT:

IF IT IS V4, PLEASE REPLACE THE ABOVE
TRANSISTORS WITH 2SB649A/2SD669A.
IF IT IS LATER THAN V4.1, PLEASE REPLACE
IT WITH 2SA1837/2SC4793.
THE TRACE FOR EACH VERSION ARE
DIFFERENT, DO NOT MIX THEM!

2SC5200 B C E 2SA1943
A872 E C B 2SA872 2SA1015 2SC1815
TL431 R A K TL431
B649 E C B 2SB649 2SD669
2SA1837 B C E 2SC4793
LM317 LM337 1 2 3 LM317 1:ADJUST,2:OUT,3:IN LM337 1:ADJUST,2:IN,3:OUT
LM7805 1 2 3 LM7805 1:IN 2:GND,3:OUT

LEFT POWER AMP N13C372D02
RIGHT POWER AMP N13C372D03
FROM VI OVER LOAD DET IN POWER AMP
PHONE BOARD PHONE BOARD JK701
PHONE SOCKET
STANDBY&PHONE BOARD N13C372D06
T2: TI-67790B: AC 230V/50Hz TI-67791B: AC120V /60Hz
TO LEFT POWER AMPMUTE-R
MAIN ON
MUTE-L
SOFT CLIP
ISC
STANDBY TRANSFORMER
AUTORESET
AC INOUTLET BOARD
AC IN
STANDBY&PHONE BOARD N13C372D00
SPEAKER
TO SPEAKERS
TO STAR GND
CHASSIS

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

REF. NO	PART NO.	DESCRIPTION	Qty.
C001	67-005010-0	Transformer Shielding Box	1
C002	01-37205-10	Assemblied Pre Amp Module	2
C003	18-37371-22	Transformer C Version	1
	18-37371-12	Transformer AH Version	1
C004	66-005007-0	Metal Disc	1
C005	94-005004-1	Transformer Disc Label	1
C006	66-018001-1	Chassis	1
C007	66-005004-0	Base Cover	1
C008	75-010004-1	Foot	4
C009	78-001002-0	Foot Pad	4
C010	69-005006-0	BDP Pin Big	4
C011	69-002004-0	BDP Pin Small	4
C012	70-004003-1	Heat Sink Small B	2
C013	01-37203-00	Assembled Tone PCB	1
C014	70-018001-0	Main Heatsink	2
C015	85-005001-0	PCB Spacer	10
C016	01-37202-02	Assembled R Channel AMP PCB	1
C017	66-018005-0	Tem. SW Clamper	2
C018	78-005005-0	Insulated Cashion	16
C019	01-37206-00	Assembled Relay PCB	1
C020	66-005009-0	Transistor Clamping	16
C021	70-018003-1	Heatsink C	4
C022	78-005002-0	Insluation Cushion(Small)	9
C023	01-37201-00	Assembled Main PCB	1
C024	01-37202-01	Assembled L Channel AMP PCB	1
M001	70-018004-0	Module Lid	2
M002	78-018001-0	Insulated Cashion	4
M003	66-018004-0	Trans Clamp (Module)	4
M004	01-37205-00	Assembled Pre Amp Module PCB	2
M005	70-018002-0	Module heatsink box	2
T001	67-018004-0	Top Cover	1
F001	67-018003-0	Fascia	1
F002	67-018001-0	End Cap L	1
F003	67-018002-0	End Cap R	1
F004	77-002002-1	Power Button	1
F005	77-001007-1	Power Button Bezel	1
F006	77-005001-1	Input Button Lozenge	1

REF. NO	PART NO.	DESCRIPTION	Qty.
F007	76-001001-0	IR Lens	1
F008	76-003001-0	LED Lens	12
F009	77-002002-1	Tone Defeat Button	1
F010	73-014001-1	Tone Knob	3
F011	77-001001-1	Tone Control Lozenge	1
F012	73-014002-1	Volume Knob	1
F013	74-001002-1	Input Button (3P)	3
F014	75-005001-0	Sleeve(1P)	4
F015	01-37204-00	Assembled Key Board	1
F016	66-018003-0	Headphone Bracket	1
F017	66-005005-0	IR Bracket	1
F018	75-003003-0	Bracket	2
F019	75-003002-0	Sleeve(1P)	1
F020	77-018001-0	Knob Volume lozenge	1
F021	75-003001-0	Sleeve(7P)	1
F022	66-018002-0	Subfascia	1
R001	67-018006-0	Rear Panel(C)	1
	67-018005-0	Rear Panel(AH)	1
R002	18-37060-01	Standby Transformer	1
R003	01-37208-01	Assembled AC Inlet PCB (C Version)	1
	01-37208-02	Assembled AC Inlet PCB (AH Version)	1
S001	64-110070-0	Bolt, GB5781, M10X70	1
S002	63-011020-2	Washers, GB97-87φ10	3
S003	63-021030-0	Spring Washers, GB93φ10	2
S004	62-011002-0	Nuts, GB6170, M10	2
S005	61-062108-0	Self Taping Screws, STF2X8-0	4
S006	61-023208-0	Self Taping Screws, BTB3X8	32
S007	61-024108-0	Self Taping Screws, STB3X8	11
S008	61-084108-0	Self Taping Screws, STPW4X8	6
S009	61-023106-0	Self Taping Screws, STB3X6	44
S010	61-022204-6	Self Taping Screws, BTB2.6X4	1
S011	61-023212-0	Self Taping Screws, BTB3X12	2
S012	61-223514-0	Hex Screws, GB70, 3X14	16
S013	61-022205-6	Self Taping Screws, BTB2.6X5	2
S014	61-022206-6	Self Taping Screws, BTB2.6X6	14
S015	61-083515-0	Machine Screws, MPW3X15	2
S016	61-033420-0	Self Taping Screws, PTP3X20	10
S017	61-022206-8	Self Taping Screws, BTB2.6X8	18

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
L CHANNEL AMP BOARD					
	16-37202-01	L Channel Raw PCB			
	01-37202-01	Assembled L Channel PCB			
DIODES					
D303, D304, D305, D306, D309	33-44148-02	1N4148			Switch Diode
D302	33-11800-00	18V	1/2W		Zener Diode
D301	33-11800-01	18V	1/2W		Zener Diode
D307, D308	33-40021-01	BAV21			Switch Diode
TRANSISTORS					
Q329, Q301, Q306, Q307	31-00872-00	2SA872A E			Transistor
Q305, Q309, Q316, Q326	31-01015-00	2SA1015GR			Transistor
Q302, Q303, Q304, Q330	31-01775-00	2SC1775A E			Transistor
Q308, Q312, Q325	31-01815-00	2SC1815GR			Transistor
Q310, Q313, Q318, Q338	31-00649-00	2SB649A C			Transistor
Q311, Q314, Q317, Q337	31-00669-00	2SD669A C			Transistor
Q315	31-02690-00	KSC2690A Y			Transistor
Q319, Q321, Q323, Q327	31-01943-00	2SA1943 O			Transistor
Q320, Q322, Q324, Q328	31-05200-00	2SC5200 O			Transistor
ICS					
3IC1, 3IC2	03-00431-00	TL431/KA431			IC, Regulator
IC301	03-00082-00	TL082D			IC, OP-AMP
CAPACITORS					
C305, C307	05-22052-00	22pF	500V	±20%	Cermatic Disk Capacitor
C302	05-68152-00	680pF	500V	±20%	Cermatic Disk Capacitor
C313, C314	05-47152-00	470pF	500V	±20%	Cermatic Disk Capacitor
C320	05-22312-00	22nF	100V	+50%-20%	Cermatic Disk Capacitor
C315, C319, C324	25-10451-03	0.1uF	50V	±10%	Metallized Polyester Film Capacitor
C318	25-10461-01	0.1uF, CL21	63V	±10%	Metallized Polyester Film Capacitor
C309, C310, C316, C317	25-10412-02	0.1uF, CL23B	100V	±10%	Metallized Polyester Film Capacitor
C327	25-10561-00	1uF, CL233X	63V	±5%	Metallized Polyester Film Capacitor
C301, C303, C304, C321, C325, C326	06-10051-00	10uF, CD110	50V	±20%	Alu Electrolytic Capacitor
C322, C323	06-10012-00	10uF, CD110	100V	±20%	Alu Electrolytic Capacitor
C311, C312	06-10121-02	100uF, CD263	25V	±20%	Alu Electrolytic Capacitor
C306	06-22260-00	2200uF, CD110	6.3V	±20%	Alu Electrolytic Capacitor
RESISTORS					
R388, R389, R390, R391	07-10109-10	1 Ω	1/4W	±5%	Carbon Film Resistor
R380, R381, R382, R383, R384, R385, R386, R387	07-10229-12	2R2 Ω	1/4W	±5%	Carbon Film Resistor
R308, R320, R336, R340	07-10330-10	33 Ω	1/4W	±5%	Carbon Film Resistor
R377, R307	07-10820-10	82 Ω	1/4W	±5%	Carbon Film Resistor
R303, R304, R306, R312, R314, R328, R373, R374	07-10101-10	100 Ω	1/4W	±5%	Carbon Film Resistor
R347	07-10221-10	220 Ω	1/4W	±5%	Carbon Film Resistor
R301	07-10471-10	470 Ω	1/4W	±5%	Carbon Film Resistor
R311, R315, R346, R361	07-10102-10	1k Ω	1/4W	±5%	Carbon Film Resistor
R345	07-10122-10	1k2 Ω	1/4W	±5%	Carbon Film Resistor
R375	07-10222-10	2k2 Ω	1/4W	±5%	Carbon Film Resistor
R364	07-10682-10	6k8 Ω	1/4W	±5%	Carbon Film Resistor
R310, R316, R333, R335, R342, R343	07-10103-10	10k Ω	1/4W	±5%	Carbon Film Resistor
R362	07-10153-10	15k Ω	1/4W	±5%	Carbon Film Resistor
R302, R363, R365	07-10223-10	22k Ω	1/4W	±5%	Carbon Film Resistor
R317	07-21500-10	150 Ω	1/4W	±1%	Metal Film Resistor

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
R393	07-20243-10	24k Ω	1/4W	±5%	Metal Film Resistor
R305, R313	07-20273-10	27k Ω	1/4W	±5%	Metal Film Resistor
R321, R378, R327	07-20393-10	39k Ω	1/4W	±5%	Metal Film Resistor
R318	07-20473-10	47k Ω	1/4W	±5%	Metal Film Resistor
R324, R326	07-20104-10	100k Ω	1/4W	±5%	Metal Film Resistor
R379	07-20184-10	180k Ω	1/4W	±5%	Metal Film Resistor
R376	07-20224-10	220k Ω	1/4W	±5%	Metal Film Resistor
R392	07-20105-10	1M Ω	1/4W	±5%	Metal Film Resistor
R319	07-29101-20	9k1 Ω	1/2W	±1%	Metal Film Resistor
R322	07-21002-20	10k Ω	1/2W	±1%	Metal Film Resistor
R330, R338	07-30339-00	3R3 Ω	1/2W	±5%	Metallized Oxid Film Resistor
R309, R323	07-38209-00	82 Ω	1/2W	±2%	Metallized Oxid Film Resistor
R332, R341	07-30331-01	330 Ω	1/2W	±5%	Metallized Oxid Film Resistor
R351	07-30220-00	22 Ω , 0.5W, ±5%	1/2W	±5%	Metallized Oxid Film Resistor
R359	07-30100-01	10 Ω	1W	±5%	Metallized Oxid Film Resistor
R348, R349	07-30750-01	75 Ω	1W	±5%	Metallized Oxid Film Resistor
R358	07-30101-01	100 Ω	1W	±5%	Metallized Oxid Film Resistor
R329, R337	07-30101-15	100 Ω	1W	±5%	Metallized Oxid Film Resistor
R334, R344, R395, R396	07-30472-03	4k7 Ω	3W	±5%	Metallized Oxid Film Resistor
R331, R339	07-50479-01	4R7 Ω	1/2W	±5%	Fusible Resistor
R356, R357	07-50507-05	0.05 Ω	5W	±5%	CERAMIC CASE
R367	07-70471-08	T0=80 C degree PTH9M04BF471TS2F333			PTC
R366	07-70022-09	T0=90 C degree ST-22 90C			Thermal breaker
VR302	09-02501-00	500 Ω			Variable Resistor
VR301	09-02503-00	50k Ω			Variable Resistor
INDUCTORS					
L301, L302	08-02100-00	10uH			Inductor
CONNECTORS					
CZ304	13-23905-00	VH 3.96A-5Y1			Connector
CZ301	13-22503-00	XHB 2.54A-3A			Connector
CZ302	13-22509-00	XHB 2.54A-9A			Connector
TP303-TP304	13-12502-00	2PIN			Connector
TP301, TP302	13-10001-00	1PIN			Connector
R CHANNEL AMP BOARD					
	16-37202-02	R Channel Raw PCB			
	01-37202-02	Assemblied R Channel PCB			
DIODES					
D403, D404, D405, D406, D409	33-44148-02	1N4148			Switch Diode
D407, D408	33-40021-01	BAV21			Switch Diode
D402	33-11800-00	18V	1/2W		Zener Diode
D401	33-11800-01	18V	1/2W		Zener Diode
TRANSISTORS					
Q401, Q406, Q407, Q429	31-00872-00	2SA872A E			Transistor
Q405, Q409, Q416, Q426	31-01015-00	2SA1015GR			Transistor
Q402, Q403, Q404, Q430	31-01775-00	2SC1775A E			Transistor
Q408, Q412, Q425	31-01815-00	2SC1815GR			Transistor
Q431	31-02878-00	2SC2878A			Transistor
Q410, Q413, Q418, Q438	31-00649-00	2SB649A C			Transistor
Q411, Q414, Q417, Q437	31-00669-00	2SD669A C			Transistor
Q415	31-02690-00	KSC2690A Y			Transistor
Q419, Q421, Q423, Q427	31-01943-00	2SA1943 O			Transistor
Q420, Q422, Q424, Q428	31-05200-00	2SC5200 O			Transistor

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
ICS					
4IC1, 4IC2	03-00431-00	TL431/KA431			IC, Regulator
IC401	03-00082-00	TL082D			IC, OP-AMP
CAPACITORS					
C405, C407	05-22052-00	22pF	500V	±20%	Cermatic Disk Capacitor
C402	05-68152-00	680pF	500V	±20%	Cermatic Disk Capacitor
C425, C426	05-47152-00	470pF	500V	±20%	Cermatic Disk Capacitor
C420	05-22312-00	22nF	100V	+50%-20%	Cermatic Disk Capacitor
C413, C424, C428	25-10451-03	0.1uF, CL23B	50V	±10%	Metallized Polyester Film Capacitor
C418	25-10461-01	0.1uF, CL21	63V	±10%	Metallized Polyester Film Capacitor
C409, C410, C416, C417	25-10412-02	0.1uF, CL23B	100V	±10%	Metallized Polyester Film Capacitor
C427	25-10561-00	1uF, CL233X	63V	±5%	Metallized Polyester Film Capacitor
C401, C403, C404, C421, C415, C419	06-10051-00	10uF, CD110	50V	±20%	Alu Electrolytic Capacitor
C422, C423	06-10012-00	10uF, CD110	100V	±20%	Alu Electrolytic Capacitor
C411, C412	06-10121-02	100uF, CD263	25V	±20%	Alu Electrolytic Capacitor
C406	06-22260-00	2200uF, CD110	6.3V	±20%	Alu Electrolytic Capacitor
RESISTORS					
R488, R489, R490, R491	07-10109-10	1 Ω	1/4W	±5%	Carbon Film Resistor
R480, R481, R482, R483, R484, R485, R486, R487	07-10229-12	2R2 Ω	1/4W	±5%	Carbon Film Resistor
R408, R420, R436, R440	07-10330-10	33 Ω	1/4W	±5%	Carbon Film Resistor
R407, R477	07-10820-10	82 Ω	1/4W	±5%	Carbon Film Resistor
R403, R404, R406, R412, R414, R428, R473, R474	07-10101-10	100 Ω	1/4W	±5%	Carbon Film Resistor
R447	07-10221-10	220 Ω	1/4W	±5%	Carbon Film Resistor
R401	07-10471-10	470 Ω	1/4W	±5%	Carbon Film Resistor
R411, R415, R446, R461	07-10102-10	1k Ω	1/4W	±5%	Carbon Film Resistor
R445	07-10122-10	1k2 Ω	1/4W	±5%	Carbon Film Resistor
R475	07-10222-10	2k2 Ω	1/4W	±5%	Carbon Film Resistor
R464	07-10682-10	6k8 Ω	1/4W	±5%	Carbon Film Resistor
R410, R416, R433, R435, R442, R443	07-10103-10	10k Ω	1/4W	±5%	Carbon Film Resistor
R462	07-10153-10	15k Ω	1/4W	±5%	Carbon Film Resistor
R402, R463, R465	07-10223-10	22k Ω	1/4W	±5%	Carbon Film Resistor
R417	07-21500-10	150 Ω	1/4W	±1%	Metal Film Resistor
R453	07-20243-10	24k Ω	1/4W	±5%	Metal Film Resistor
R405, R413	07-20273-10	27K Ω	1/4W	±5%	Metal Film Resistor
R421, R425, R427	07-20393-10	39K Ω	1/4W	±5%	Metal Film Resistor
R418	07-20473-10	47K Ω	1/4W	±5%	Metal Film Resistor
R424, R426	07-20104-10	100K Ω	1/4W	±5%	Metal Film Resistor
R450	07-20184-10	180K Ω	1/4W	±5%	Metal Film Resistor
R476	07-20224-10	220K Ω	1/4W	±5%	Metal Film Resistor
R452	07-20105-10	1M Ω	1/4W	±5%	Metal Film Resistor
R471, R472	07-28201-20	8K2 Ω	1/2W	±1%	Metal Film Resistor
R419	07-29101-20	9K1 Ω	1/2W	±1%	Metal Film Resistor
R422	07-21002-20	10K Ω	1/2W	±1%	Metal Film Resistor
R430, R438	07-30339-00	3R3 Ω	1/2W	±5%	Metallized Oxid Film Resistor
R451	07-30220-00	22 Ω	1/2W	±5%	Metallized Oxid Film Resistor
R409, R423	07-38209-00	82 Ω	1/2W	±2%	Metallized Oxid Film Resistor
R432, R441	07-30331-01	330 Ω	1/2W	±5%	Metallized Oxid Film Resistor
R459	07-30100-01	10 Ω	1W	±5%	Metallized Oxid Film Resistor
R429, R437	07-30101-15	100 Ω	1W	±5%	Metallized Oxid Film Resistor
R449, R448	07-30750-01	75 Ω	1W	±5%	Metallized Oxid Film Resistor
R434, R444, R495, R496	07-30472-03	4K7 Ω	3W	±5%	Metallized Oxid Film Resistor
R431, R439	07-50479-01	4R7 Ω	1/2W	±5%	Fusible Resistor
R456, R457	07-50507-05	0.05 Ω	5W	±5%	CERAMIC CASE

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
R467	07-70471-08	T0=80 C degree PTH9M04BF471TS2F333			PTC
R466	07-70022-09	T0=90 C degree ST-22 90C			Thermal breaker
VR402	09-02501-00	500Ω			Variable Resistor
VR401	09-02503-00	50KΩ			Variable Resistor
INDUCTORS					
L401, L402	08-02100-00	10uH			Inductor
CONNECTORS					
CZ404	13-23905-00	VH 3.96A-5Y1			Connector
CZ401	13-22504-00	XHB 2.54A-4A			Connector
CZ402	13-22509-00	XHB 2.54A-9A			Connector
TP403-TP404	13-12502-00	2PIN			Connector
TP401, TP402	13-10001-00	1PIN			Connector
TONE BOARD					
	16-37203-00	Tone Raw PCB			
	01-37203-00	Assembled Tone PCB			
TRANSISTORS					
Q501, Q503	31-01015-00	2SA1015GR			Transistor
Q502, Q504	31-01815-00	2SC1815GR			Transistor
RESISTORS					
R520, R521, R522, R523, R524, R525	07-10222-10	2K2Ω	1/4W	±5%	Carbon Film Resistor
R515	07-10103-10	10KΩ	1/4W	±5%	Carbon Film Resistor
R615	07-10103-00	10KΩ	1/6W	±5%	Carbon Film Resistor
R509	07-10101-00	100Ω	1/6W	±5%	Carbon Film Resistor
R514, R614	07-20169-00	1.6Ω	1/6W	±5%	Metal Film Resistor
R505, R605	07-21800-10	180Ω	1/4W	±1%	Metal Film Resistor
R502, R602, R504, R604	07-23900-10	390Ω	1/4W	±1%	Metal Film Resistor
R511, R609	07-25900-00	590Ω	1/6W	±1%	Metal Film Resistor
R507, R607	07-27500-10	750Ω	1/4W	±1%	Metal Film Resistor
R601, R501	07-21501-10	1K5Ω	1/4W	±1%	Metal Film Resistor
R606, R506	07-23221-10	3K32Ω	1/4W	±1%	Metal Film Resistor
R503	07-25101-00	5K1Ω	1/6W	±1%	Metal Film Resistor
R603	07-25101-10	5K1Ω	1/4W	±1%	Metal Film Resistor
R510, R610	07-20153-10	15KΩ（Debug part）	1/4W	±5%	Metal Film Resistor
R513	07-20106-00	10MΩ	1/6W	±5%	Metal Film Resistor
RV3	09-01203-05	RK16812MGA10(20KBX2)			POT
RV1, RV2	09-01103-07	RD163121A023-10KAX2			POT
RV4	09-01203-06	RD163121A020-20KMN			POT
CAPACITORS					
C511	05-43022-00	43pF	250V	±20%	Cermatic Disk Capacitor
C509, C609	05-47122-00	470pF	250V	±20%	Cermatic Disk Capacitor
C522	24-10461-00	0.1uF	63V	±20%	Cermatic Disk Capacitor
C502, C602	25-10361-04	10nF, CL23B	63V	±10%	Metallized Polyester Film Capacitor
C507, C607	25-22312-05	22nF, CBB25	100V	±2%	Metallized Polyester Film Capacitor
C508, C608	25-10461-03	0.1uF, CBB25	63V	±2%	Metallized Polyester Film Capacitor
C503, C603	25-23461-00	0.23uF, CL23B	63V	±5%	Metallized Polyester Film Capacitor
C504, C604	25-95461-00	0.95uF, CL23B	63V	±5%	Metallized Polyester Film Capacitor
C520, C521	06-47961-01	4.7uF, CD110	63V	±20%	Alu Electrolytic Capacitor
C501, C601	06-22121--00	220uF, CD110	25V	±20%	Alu Electrolytic Capacitor
SWITCHS					
SW4	11-02202-00	SPUN19K605			Push Switch

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
CONNECTIONS					
CZ501	14-37208-00	8P2.54-A50B			Connection
CB502	13-22504-00	XHB 2.54A-4A			Connection
PRE AMP MODULE(2 PCS)					
	16-37205-00	PRE AMP Module Raw PCB			
	01-37205-00	Assembled PRE AMP Module PCB			
TRANSISTORS					
Q804, Q809	31-00209-00	2SK209GR			MOSFET
Q801, Q807	31-01312-00	2SA1312GR			Transistor
Q802, Q805, Q808, Q810	31-03324-00	2SC3324GR			Transistor
Q806, Q812	31-01225-00	2SA1225Y(Complementary pair with 2SC2983Y)			Transistor
Q806, Q812	31-01215-10	(or 2SB1215S)(Complementary pair with 2SD1815S)			Transistor
Q803, Q811	31-02983-00	2SC2983Y(Complementary pair with 2SA1225Y)			Transistor
Q803, Q811	31-01815-10	(or 2SD1815S)(Complementary pair with 2SB1215S)			Transistor
CAPACITORS					
C805, C808	26-22051-01	22pF, 0805	50V	±5%	Cermatic Capacitor Smd
C801, C803	26-47051-01	47pF, 0805	50V	±5%	Cermatic Capacitor Smd
C802, C804	26-10251-01	1nF, 0805	50V	±10%	Cermatic Capacitor Smd
C806, C807, C809, C810	26-10451-01	0.1uF, 0805	50V	+80%-20%	Cermatic Capacitor Smd
RESISTOR					
R804, R808, R819, R820	07-90100-01	10 Ω	0805	±5%	Resistor Smd
R821, R822	07-90221-01	220 Ω	0805	±5%	Resistor Smd
R806, R815	07-94320-01	432 Ω	0805	±1%	Resistor Smd
R801, R802, R809, R811, R812, R817	07-90102-01	1k Ω	0805	±58%	Resistor Smd
R803, R813	07-90152-01	1k5 Ω	0805	±5%	Resistor Smd
R810, R818	07-90183-01	18k Ω	0805	±5%	Resistor Smd
R805, R814	07-90105-01	1M Ω	0805	±5%	Resistor Smd
CONNECTORS					
P801	13-12510-01	10PIN			Connector
KEY BOARD					
	16-37204-00	Key Raw PCB			
	01-37204-00	Assembled Key PCB			
DIODES					
D906, D908, D909, D910, D911	33-44148-02	1N4148			Switch Diode
D912	33-44148-03	1N4148			Switch Diode
D907	33-16809-00	6V8			Zener Diode
LD908, LD904, LD909, LD902, LD901, LD912, LD905, LD903, LD906	33-50550-00	L-513DG			LED Green
LD907, LD911	33-50540-00	L-513AD			LED Red
LED910	33-50525-00	L-519EGFW			LED Dual Color
TRANSISTORS					
Q916, Q901, Q902, Q903, Q904, Q905, Q906, Q907, Q908, Q909, Q910, Q912, Q914	31-01815-00	2SC1815GR			
Q915, Q913	31-01015-00	2SA1015GR			
ICS					

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
IC906	03-02400-00	AT24C01			IC, EEPROM
IC901	03-07400-00	74LS00 N			IC, LOGIC IC
IC904, IC905	03-04094-00	HEF4094/CD4094			IC, LOGIC IC
IC902	03-86812-05	Z86E(或C)0812PSC			IC, MCU
IC903	03-01701-00	GP1UV701QS			IC, IR Receiver
IC903	03-00038-40	(or HS0038B4)			IC, IR Receiver
CAPACITORS					
C902, C903	05-20022-00	20pF	250V	±20%	Cermatic Disk Capacitor
C906, C907, C908, C909, C910, C911, C912, C913, C914	25-10361-01	10nF, CL11	63V	±10%	Metallized Polyester Film Capacitor
C901, C915	24-10461-00	0.1uF	63V	±20%	Monolithic
C904	06-10061-01	10uF, CD110	63V	±20%	Alu Electrolytic Capacitor
C905	06-47061-00	47uF, CD110	63V	±20%	Alu Electrolytic Capacitor
RESISTORS					
R926	07-10220-10	22Ω	1/4W	±5%	Carbon Film Resistor
R901, R935, R936	07-10101-10	100Ω	1/4W	±5%	Carbon Film Resistor
R927, R938	07-10331-10	330Ω	1/4W	±5%	Carbon Film Resistor
R934	07-10821-10	820Ω	1/4W	±5%	Carbon Film Resistor
R900, R902, R903	07-10102-10	1KΩ	1/4W	±5%	Carbon Film Resistor
R923, R933, R944, R945	07-10222-10	2K2Ω	1/4W	±5%	Carbon Film Resistor
R904, R905, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R924, R943	07-10472-10	4K7Ω	1/4W	±5%	Carbon Film Resistor
R930	07-10682-10	6K8Ω	1/4W	±5%	Carbon Film Resistor
R906, R925, R937, R939, R940, R941, R931	07-10103-10	10KΩ	1/4W	±5%	Carbon Film Resistor
R929	07-10223-10	22KΩ	1/4W	±5%	Carbon Film Resistor
SWITCHS					
K909, K906, K908, K905, K901, K903, K904, K902, K907	11-04101-00	IT-1102D-1160			Tact Switch
CRYSTALS					
X901	04-11202-00	12MHz, HC-49uF			Crystal
CONNECTORS					
CZ502	14-37004-00	4PIN, L=260mm			Connector
CZ907	14-37010-01	10PIN, L=170mm			Connector
CZ906	14-37010-00	10PIN, L=550mm			Connector
MAIN BOARD					
	16-37201-00	Main Board Raw PCB			
	01-37201-00	Assembled Main Board PCB			
DIODES					
D705, D706, D707, D708, D709, D710, D715, D716, D737, D722, D730, D731, D732, D733, D734, D735, D736, D728, D740	33-44148-02	1N4148			Switch Diode
D701, D723, D724, D725, D726, D727	33-44148-03	1N4148			Switch Diode
D711, D713, D717, D718	33-40021-00	BAV21			Switch Diode
D704	33-25401-01	1N5401			Rectifier Diode

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
D719, D720	33-14709-00	4.7V	1/2W		Zener Diode
D714	33-16809-00	6.8V	1/2W		Zener Diode
D729	33-11000-00	10V	1/2W		Zener Diode
D700	33-11300-00	13V	1/2W		Zener Diode
D741, D742	33-11800-00	18V	1/2W		Zener Diode
D721	33-12400-02	(24V, with 24V relay)	5W		Zener Diode
B703, B704	33-31542-00	KBU1504			Rectifier Bridge
B701, B705, B706	33-30142-00	DB104			Rectifier Bridge
TRANSISTORS					
Q713	31-00872-00	2SA872AE			Transistor
Q703, Q705, Q706, Q707, Q721, Q723, Q724, Q725, Q726	31-01015-00	2SA1015GR			Transistor
Q710, Q711, Q714	31-01775-00	2SC1775AE			Transistor
Q700, Q702, Q704, Q708, Q720, Q722, Q727, Q729, Q730	31-01815-00	2SC1815GR			Transistor
Q712	31-01220-00	KSA1220AYSTU			Transistor
Q701, Q709, Q715	31-02690-00	KSC2690AYSTU			Transistor
D702, D703	33-60116-00	BT151-500R			SCR
ICS					
IC701	03-07805-00	LM7805			IC, Regulator
IC703	03-00317-00	LM317(T)			IC, Tunable Regulator
IC704	03-00337-00	LM337(T)			IC, Tunable Regulator
IC705	03-00082-00	TL082D			IC, OP-AMP
IC706	03-01237-00	uPC1237HA			IC,Protect IC
CAPACITORS					
C211	05-82922-00	8.2pF	250V	±0.5pF	Ceramic Disk Capacitor
C740, C741	05-47022-00	47pF	250V	±20%	Ceramic Disk Capacitor
C101, C102, C103, C104, C105, C106, C107, C108, C109, C201, C202, C203, C204, C205, C206, C207, C208, C209	05-10152-00	100pF	500V	±20%	Ceramic Disk Capacitor
C113, C114, C214, C215	05-22122-00	220pF	250V	±20%	Ceramic Disk Capacitor
C759, C786	24-10361-05	10nF	63V	±20%	Ceramic Disk Capacitor
C705, C708, C710, C714	24-10461-00	0.1uF	63V	±20%	Ceramic Disk Capacitor
C782	24-22461-00	0.22uF	63V	±20%	Ceramic Disk Capacitor
C719	25-10251-06	1nF, CL11	50V	±20%	Metallized Polyester Film Capacitor
C25, C26	25-22261-01	2.2nF, CL11	63V	±20%	Metallized Polyester Film Capacitor
C706, C750, C751, C756, C757, C722, C723, C111, C212	25-22312-01	22nF, CL23B	100V	±10%	Metallized Polyester Film Capacitor
C21, C22, C23, C24, C720, C721, C745, C744, C732, C733	25-22312-04	22nF, CL21	100V	±10%	Metallized Polyester Film Capacitor
C717, C718, C730, C731	25-22322-02	22nF, CL21	250V	±10%	Metallized Polyester Film Capacitor
C761, C762, C767, C760, C764, C752, C753	06-10951-00	1uF, CD110	50V	±20%	Alu Electrolytic Capacitor
C783	06-47951-00	4.7uF, CD110	50V	±20%	Alu Electrolytic Capacitor
C743	06-47912-00	4.7uF, CD110	100V	±20%	Alu Electrolytic Capacitor
C703, C704, C709, C769, C785	06-10051-00	10uF, CD110	50V	±20%	Alu Electrolytic Capacitor
C742	06-10012-01	10uF, CD263	100V	±20%	Alu Electrolytic Capacitor
C754, C755	06-22051-00	22uF, CD110	50V	±20%	Alu Electrolytic Capacitor
C746, C747	06-22012-00	22uF, CD110	100V	±20%	Alu Electrolytic Capacitor
C784	06-47051-00	47uF, CD110	50V	±20%	Alu Electrolytic Capacitor

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
C736, C737	06-47012-00	47uF, CD110	100V	±20%	Alu Electrolytic Capacitor
C738, C739	06-10121-02	100uF, CD263	25V	±20%	Alu Electrolytic Capacitor
C112, C213	06-22121-00	220uF, CD110	25V	±20%	Alu Electrolytic Capacitor
C781	06-33111-01	330uF, CD110	16V	±20%	Alu Electrolytic Capacitor
C734, C735	06-10212-01	1000uF, CD294	100V	±20%	Alu Electrolytic Capacitor
C707	06-22211-00	2200uF, CD110	16V	±20%	Alu Electrolytic Capacitor
C748, C749	06-22251-01	2200uF, CD263	50V	±20%	Alu Electrolytic Capacitor
C724, C725, C727, C728	06-10381-02	10000uF, CD294	80V	±20%	Alu Electrolytic Capacitor
RESISTORS					
R745	07-10229-00	2R2 Ω	1/6W	±5%	Carbon Film Resistor
R759	07-10103-00	10K Ω	1/6W	±5%	Carbon Film Resistor
R739, R766, R771, R799	07-10100-10	10 Ω	1/4W	±5%	Carbon Film Resistor
R702	07-10680-10	68 Ω	1/4W	±5%	Carbon Film Resistor
R120	07-10101-00	100 Ω	1/6W	±5%	Carbon Film Resistor
R706, R707, R753, R792, R793	07-10101-10	100 Ω	1/4W	±5%	Carbon Film Resistor
R127, R227	07-10201-00	200 Ω	1/6W	±5%	Carbon Film Resistor
R783(with 36V relay)	07-10821-10	820 Ω	1/4W	±5%	Carbon Film Resistor
R701, R703, R704, R705, R708, R716, R717, R718, R719, R720, R721, R724, R726, R727, R742, R744	07-10102-10	1K Ω	1/4W	±5%	Carbon Film Resistor
R772	07-10222-10	2K2 Ω	1/4W	±5%	Carbon Film Resistor
R725, R750, (R783)(with 24V relay)	07-10332-10	3K3 Ω	1/4W	±5%	Carbon Film Resistor
R737	07-10392-10	3K9 Ω	1/4W	±5%	Carbon Film Resistor
R790	07-10512-10	5K1 Ω	1/4W	±5%	Carbon Film Resistor
R788	07-10562-10	5K6 Ω	1/4W	±5%	Carbon Film Resistor
R736	07-10622-10	6K2 Ω	1/4W	±5%	Carbon Film Resistor
R11, R13, R728, R730, R785, R786, R787, R791, R778, R780, R782, R784	07-10103-10	10K Ω	1/4W	±5%	Carbon Film Resistor
R123, R222, R12, R709, R714, R715, R781, R775, R776	07-10223-10	22K Ω	1/4W	±5%	Carbon Film Resistor
R773, R774, R777	07-10563-10	56K Ω	1/4W	±5%	Carbon Film Resistor
R754	07-10103-00	10K Ω	1/6W	±5%	Carbon Film Resistor
R756, R757	07-10104-00	100K Ω	1/6W	±5%	Carbon Film Resistor
R126, R226, R795	07-10104-10	100K Ω	1/4W	±5%	Carbon Film Resistor
R752	07-10204-10	200K Ω	1/4W	±5%	Carbon Film Resistor
R755, R794	07-10224-10	220K Ω	1/4W	±5%	Carbon Film Resistor
R760, R761	07-10224-00	220K Ω	1/6W	±5%	Carbon Film Resistor
R743, R796	07-10474-00	470K Ω	1/6W	±5%	Carbon Film Resistor
R713, R797	07-10474-10	470K Ω	1/4W	±5%	Carbon Film Resistor
R711	07-21000-10	100 Ω	1/4W	±1%	Metal Film Resistor
R119, R219	07-20221-10	220 Ω	1/4W	±5%	Metal Film Resistor
R733, R735	07-22400-10	240 Ω	1/4W	±1%	Metal Film Resistor
R101, R103, R105, R107, 109, R111, R113, R115, R118, R201, R203, R205, R207, R209, R211, R213, R215, R217	07-20471-00	470 Ω	1/6W	±5%	Metal Film Resistor
R121, R221	07-25620-10	562 Ω	1/4W	±1%	Metal Film Resistor
R740, R741	07-21001-11	1K Ω	1/4W	±2%	Metal Film Resistor
R732, R734	07-26201-10	6K2 Ω	1/4W	±1%	Metal Film Resistor
R712	07-29101-10	9K1 Ω	1/4W	±1%	Metal Film Resistor
R765, R770	07-21202-11	12K Ω	1/4W	±2%	Metal Film Resistor
R768, R789	07-23602-10	36K Ω	1/4W	±1%	Metal Film Resistor
R764, R769	07-22002-10	20K Ω	1/4W	±1%	Metal Film Resistor

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION			
R729, R731	07-22202-10	22K Ω	1/4W	±1%	Metal Film Resistor
R751	07-22702-10	27K Ω	1/4W	±1%	Metal Film Resistor
R758	07-26202-00	62K Ω	1/6W	±1%	Metal Film Resistor
R767	07-23903-10	390K Ω	1/4W	±1%	Metal Film Resistor
R102, R104, R106, R108, R110, R112, R114, R116, R117, R202, R204, R206, R208, R210, R212, R214, R216, R218	07-20105-00	1M Ω	1/6W	±5%	Metal Film Resistor
R20, R21	07-30339-01	3R3 Ω	1W	±5%	Metallized Oxid Film Resistor
R762, R763	07-30221-05	220 Ω	2W	±5%	Metallized Oxid Film Resistor
R779	07-30221-04	220 Ω	3W	±5%	Metallized Oxid Film Resistor
R738, R700	07-30271-02	270 Ω	2W	±5%	Metallized Oxid Film Resistor
R722, R723	07-50330-01	33 Ω	1/2W	±5%	Fusible Resistor
R124, R223	07-50750-00	75 Ω	1/2W	±5%	Fusible Resistor
R746, R747, R748, R749	07-50109-01	1 Ω	1W	±5%	Fusible Resistor
R710	07-40257-03	0.025 Ω	3W	±2%	Ceramic Case
VR701	09-02503-00	50K Ω			Variable Resistor
RV5	09-02102-00	1KA, RV142			POT
INDUCTORS					
L1, L2	08-01010-00	1uH			Inductor
RELAYS					
RLO1, RLO2, RLO3, RLO4	12-03101-04	JQX-115F/036/1HS1			Relay
RLO1, RLO2, RLO3, RLO4	12-03101-03	(or JQX-115F/024/1HS1)			Relay
RL2, RL5, RL6, RL7, RL8, RL9, RL10, RL11, RL12	12-02101-02	JRC-27F/012/S			Relay
SWITCHS					
SW2	11-05202-00	SSSU122NB1			SLIDE SWITCH
SW3	11-05202-01	SSSU142NB1			SLIDE SWITCH
CONNECTORS					
PJ701	17-07001-00	PY301-030-100			Headphone Socket
RCA1, RCA2, RCA3, RCA4	17-01006-00	AV6-8.4-13			RCA Socket
JIR	17-02002-00	SCJ351P00XS0B00			Dual 3.5 Headphone Socket
TP701-TP702	13-12502-00	2PIN			Connector
CB702	13-22502-00	XHB 2.5A-2A			Connector
CB705	13-22503-00	XHB 2.5A-3A			Connector
CB303	13-22505-00	XHB 2.5A-5A			Connector
CB403	13-22506-00	XHB 2.5A-6A			Connector
CB501	13-22508-00	XHB 2.5A-8A			Connector
CB302, CB402	13-22509-00	XHB 2.5A-9A			Connector
CB806, CB807	13-22510-00	XHB 2.5A-10A			Connector
CB304, CB404	13-23904-00	VH 3.96A-4Y1			Connector
CB703, CB704	13-23905-00	VH 3.96A-5Y1			Connector
TRANSISTOR ASSEMBL BOARD					
	16-37210-00	Transistor Assemble Raw PCB			
	01-37210-00	Transistor Assemble PCB with components			
CONNECTORS					
CZ1, CZ2	13-12504-01	4PIN			Connector
CZ3, CZ4, CZ5, CZ6, CZ7, CZ8, CZ9, CZ10	13-12506-00	6PIN			Connector

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	
RELAY BOARD			
	16-37206-00	Relay Board Raw PCB	
	01-37206-01	Relay Board with components (C Version)	
	01-37206-02	Relay Board with components (AH Version)	
DIODES			
D712	33-44148-02	1N4148	Switch Diode
CAPACITORS			
C702	05-47242-00	4.7nF, 400V, ±20%, CT81	High-Voltage Ceramic Capacitor
RELAYS			
RL701	12-02101-01	DH5D1-O(M) TV-8	Relay
FUSES			
F701	20-20000-01	HF-003-1	Fuse Holder
	20-12402-01	T4.0AL/250V (C Version)	
	20-12632-01	T6.3AL/250V (AH Version)	
CONNECTIONS			
CZ706	13-22502-00	XHB 2.5A-2A	Connector
CB709	13-23903-01	VH 3.96A-3Y1 (Removed the middle pin)	Connector
CB707, CB711	13-23905-01	VH 3.96A-5Y1 (Removed the 2nd and 4th pin)	Connector
OTHERS			
J701	21-06121-01	L=12.5(C Version)	Link
	21-06201-00	L=20(AH Version)	Link
MAIN SWITCH BOARD			
	16-37207-00	Main Switch Board Raw PCB	
	01-37207-00	Main Switch Board PCB with components	
CAPACITORS			
C701	05-47242-00	4.7nF, 400V, ±20%, CT81	High-Voltage Ceramic Capacitor
SWITCHS			
SW1	11-01101-00	SFDFA1117U	Power Switch
CONNECTONS			
CB710	13-23903-01	VH 3.96A-3Y1 (Removed the middle pin)	
AC INLET BOARD			
	16-37208-00	AC Inlet Board Raw PCB	
	01-37208-00	AC Inlet Board PCB with components	
CONNECTIONS			
	17-07102-00	GSP1.9500.1/R-30190 2PIN	AC Inlet
	17-07002-20	A3-02-D006-0P(C Version)	AC Outlet
	17-07002-12	A2-02-D003-0P(AH Version)	AC Outlet
CZ710	13-23905-01	VH 3.96A-5Y1 (Remover the 2nd and 4th pin)	Connector
HEADPHONE SOCKET BOARD			
	16-37209-00	Headphone Socket Board Raw PCB	
	01-37209-00	Headphone Socket Board PCB with components	
CONNECTORS			
JK701	17-02001-00	PH-2ASW(with nut and washer)	Phone Jack

ELECTRICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	
OTHERS			
	18-37371-22	TD-230-0300A(C Version)	MAIN TRANSFORMER
	18-37371-12	TD-120-0300B(AH Version)	MAIN TRANSFORMER
	18-37060-01	TD050-E103S	STANDBY TRANSFORMER
	15-10125-00	T582-AH(AH Version)	AC Cord
	15-10250-00	T582-C(C Version)	AC Cord

SERVICE MANUAL

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STEREO AMPLIFIER

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